



		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	July 2002
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
MINNESOTA, Centr	al and Sou	th Central						
Todd County 1 W Hewitt	<b>07</b> Trees do	1430CST own.			0	0		Thunderstorm Wind (E55)
Todd County 5 ENE Hewitt	07	1445CST 1450CST			0	0		Hail(0.75)
Stearns County Paynesville	07	1645CST 1650CST			0	0		Hail(1.00)
Kandiyohi County 10 W New London	07	1655CST			0	0		Hail(0.75)
Stearns County 6 S Richmond to 5 S Cold Spg	07 Scattered	1815CST 1825CST d trees down in	a six mile lon	g path.	0	0		Thunderstorm Wind (E55)
Stearns County 5 NW Sauk Centre	07	1950CST			0	0		Hail(0.75)
Todd County 3 SW Little Sauk	07	2010CST			0	0		Hail(0.75)
Todd County Gutches Grove	07	2015CST			0	0		Hail(1.75)
Douglas County 7 NE Alexandria	<b>07</b> Few tree	2141CST es down across p	power lines.		0	0		Thunderstorm Wind (E52)
Todd County North Portion							in Todd County, fro	Flash Flood om 2 miles north of Hewitt to 4 miles
Douglas County Alexandria	<b>07</b> Numero	2215CST 2330CST us streets floode	ed.		0	0		Flash Flood
Mille Lacs County 8 N Milaca to 8 NNE Milaca	<b>08</b> Hundred	0030CST	ı. Two barns a	and one shed	<b>0</b> down.	0		Thunderstorm Wind (E65)
Mille Lacs County Northeast Portion	as well a		on of Highwa	ys 47 and 18	8. Two tow			Flash Flood 3 N Isle. Water came over Highway 27 Water surrounded cabins along Cedar
Kanabec County North Portion	<b>08</b> Five to s	0400CST 0500CST ix inches of rain	n in the pre-da	wn hours wa	0 ashed out sev	<b>0</b> veral town	ship roads	Flash Flood
MNZ045	Kanabeo 08 09	1900CST 0900CST	•		0	0	15K	Flood on July 8 (see corresponding entry for





July 2002 Time Local Path Length Path Number of Estimated Persons Width Damage MINNESOTA, Central and South Central Kanabec County Flash Flood). Several county and township roads were flooded, sandbagging was necessary along Riverside Avenue in Mora, and Peninsula drive collapsed near the east side of Knife Lake. **Stevens County** 10 0155CST 0 Hail(0.88) Morris **Pope County** 10 0250CST 0 Thunderstorm Wind (E52) Glenwood 0 Few trees and power poles down. **Pope County** 5 NE Glenwood 10 0315CST Thunderstorm Wind (E55) Shed down, irrigator blown over. **Stearns County** 0600CST 0610CST St Joseph to St Cloud 10 0 Thunderstorm Wind (E55) Several dozen trees down along a 7 mile long path. **Pope County** 0500CST 1200CST 0 25K Flash Flood Countywide 10 Street flooding was widespread in Glenwood, due to four to six quick inches of rain. The most significant flooding occurred in the northeast portion of Glenwood, washing out some alleys and ripping the blacktop off some city streets. The Glenwood Public Works Director measured five inches of rain in one half hour, beginning around 5 am LST. **Stearns County** 300K 10 0530CST 1330CST Flash Flood Countywide Four to eight inches rain fell in less than four hours, producing widespread flooding across all but the southwest portion of Stearns County, Several feet of water covered some roads from Sauk Centre to St. Cloud, with many roads closed. Several dozen cars stalled in St. Cloud when people attempted to drive into deep water, and about nine people had to be rescued from vehicles driven into deep water in viaducts. Numerous creeks overflowed their banks. Water was at least two feet deep in several dozen homes and businesses. A house was flooded in Sartell. **Douglas County** 0600CST 1200CST 25K **Southeast Portion** 10 Flash Flood Rainfall totaled 3.5 to 7 inches across southeastern Douglas County, producing water over numerous roads from Alexandria to Osakis. County Road 31 between Osakis and Nelson was closed, but no roads were washed out. Numerous basements were flooded. **Morrison County** 0 Countywide 10 0630CST 0 Flash Flood Rainfall totaling 3.5 to 7 inches was common across all but the far northwest corner of Morrison County. Two to three feet of water covered roads in Bowlus, and several township roads were flooded across the southern and eastern half of the county **Todd County South Portion** 10 Flash Flood Four to six inches rain produced water over a number of roads, prompting their closure. State Highways 27 and 28 southwest of Long Prairie were flooded, as were several county and township roads. Some streets were flooded in Long Prairie **Benton County** Countywide 0830CST 100K 2.5M Flash Flood

Seven to ten inches of rain was common across a large swath of Benton County, from the northwest corner to the southeast. About



5 NNW Isle

2235CST

Trees down, including one on a trailer.

# National Weather Service Storm Data and Unusual Weather Phenomena



Thunderstorm Wind (E55)

July 2002 Time Local Path Path Number of Estimated Length Width Damage Persons MINNESOTA, Central and South Central 30 roads were closed, including State Highway 23 in Foley. A few township roads were washed out. About 3500 sandbags were used in the Foley area. Some basements were flooded. Local agriculture officials estimate that about 10% of the sellable crops in Benton County were destroyed. Numerous creeks in Alberta township (Gilman to Rum River area) rose out of their banks **Sherburne County** Countywide 25K 1330CST Four to seven inches of rain fell, producing water over numerous roads. State highway 169 was closed between Princeton and Zimmerman, and County Road 31 was closed west of Santiago. Several dozen basements were flooded. **Kanabec County** 0900CST 0 25K Flash Flood Countywide 10 1330CST Five to ten inches fell across central Kanabec County, prompting the closure of County Road 17 east of Mora. Several township roads were closed, and a number of basements flooded. Mille Lacs County Countywide 10 0900CST 25K Flash Flood Four to nine inches rain resulted in several creeks out of their banks, and approximately two dozen county and township roads were closed across the entire county. State Highway 95 was closed west of Princeton. Several dozen basements were reported flooded with several feet of water. Wright County **Northeast Portion** 10 Flash Flood Four to six inches rain fell across the northeast half of the county. Two to three feet of water flowed across roads near Rockford, prompting the closure of county and township roads. Water pushed debris across County Road 20 near Rockford. **Anoka County Southwest Portion** Flash Flood One to two feet water over a number of roads from Fridley to Ramsey. Several businesses along University Avenue in Fridley had their basements flooded. A mudslide occurred near Highway 10 and Round Lake Blvd in Coon Rapids. **Hennepin County North Portion** 10 1100CST Flash Flood Three to four inches rain fell in less than four hours, producing water over several roads, including five feet deep at the intersection of State Highway 100 and County Road 81 in Robbinsdale. **Martin County** 7.1 WSW Trimont to 7 WSW Trimont 0 50 Tornado (F0) Tornado briefly crossed into Martin County from Jackson County (see corresponding entry for southwest Minnesota). Tornado remained over open country before dissipating. **Steele County** 1 W Medford to 1201CST 1207CST 50 0 0 Tornado (F1) 18 1 Medford Damage to a farm north of Owatonna near I-35. Minor damage to farmstead. Corn flattened. Mille Lacs County Thunderstorm Wind (E50) 3 NW Vineland 20 2215CST 0 Tree down. Mille Lacs County

0

5K





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

#### MINNESOTA, Central and South Central

a. a .						
Stevens County Chokio to	21	0510CST	0	0	50K	Thunderstorm Wind (M78)
Morris	Ten n	0510CST 0525CST nile long path of wind damage. Nur of 78 knots measured at Morris Airq	nerous trees down, one			s, and grain bins down. Maximum wind
Pope County						
Cyrus	21 Trees	0530CST down.	0	0		Thunderstorm Wind (E55)
<b>Douglas County</b>						
2 E Alexandria	21 Trees	0609CST down.	0	0		Thunderstorm Wind (E52)
<b>Todd County</b>						
Long Prairie	<b>21</b> Few t	0635CST rees toppled.	0	0		Thunderstorm Wind (E52)
Anoka County						
<b>South Central Portion</b>	21	1530CST 1630CST	0	0		Flash Flood
	Heav	y rain. Street flooding in Columbia	Heights.			
Martin County						
Welcome	21 Corn	1650CST fields flattened, few trees down.	0	0		Thunderstorm Wind (M61)
Freeborn County						
Albert Lea	21	1700CST 1900CST	0	0		Flash Flood
	Heavy	y rain produced street flooding with	water two to three fee	t deep. S	everal streets barrica	ded.
Martin County						
Fairmont	21	1715CST	0	0		Hail(1.00)
Martin County						
1 E Fairmont	21	1720CST	0	0		Hail(1.00)
<b>Faribault County</b>						
Blue Earth	21	1730CST	0	0		Hail(1.00)
Faribault County		1=20 CCT	•			
Blue Earth	21 Sever	1730CST ral trees down.	0	0		Thunderstorm Wind (E52)
Faribault County						
East Portion	21	1821CST	0	0		Flash Flood
		<b>2000CST</b> to seven inch swath of rain from 'east of Kiester.	Wells to Kiester. Two	to three	e feet of water in the	city of Wells. County Road #2 closed
Steele County Blooming Prairie	21	1900CST	0	0		Flash Flood
Diooning 11 an ic		1900CST 2000CST	v	U		Flash Flood
	Sever	al streets blocked by high water.				
Stearns County		4000 CCT	_			
Sauk Centre	24	1900CST 2000CST	0	0		Flash Flood
	Street	flooding.				
Stearns County						
Sauk Centre	24	1925CST	0	0		Hail(0.75)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Perso Killed		Estimated Damage Property Crops	July 2002 Character of Storm
Location  MINNESOTA, Centr			(Miles)	(Talus)	Killeu	mjured	Property Crops	Character of Storm
Martin County								
1 SW Ceylon	24	2055CST 2115CST			0	0		Hail(0.75)
	Hail o	covered ground. S	ome crop dam	age.				
Faribault County	24	2115CST			0	0		Thunderstorm Wind (E50)
Bricelyn		branches down.			U	U		Thunderstorm wind (ESO)
Stevens County	25	04.40.000						TI 1 ( W. 1 (T(0))
Chokio	25 Dama	0140CST age to trees, sheds	, grain bins, an	d crops.	0	0		Thunderstorm Wind (E60)
Lac Qui Parle County								
Madison	25 Large	0145CST tree branch fell o	on roof of hous	e.	0	0		Thunderstorm Wind (E50)
<b>Stevens County</b>								
Donnelly	27	0922CST 0925CST			0	0		Hail(0.75)
Pope County	25	102F.CGT			0	0		TIL 1 ( W. 1 (F.50)
Starbuck	27 Trees	1025CST down.			0	0		Thunderstorm Wind (E50)
Pope County								
3 S Starbuck Pope County	27	1035CST			0	0		Hail(1.00)
5 SW Sedan	27	1105CST			0	0		Hail(1.00)
Stearns County Sauk Centre	27	1110CST			0	0		Thunderstorm Wind (E50)
Sauk Centre		down on Main Str	eet.		U	U		Thunderstorm wind (E30)
Pope County 3 SE Gilchrist	27	1115CST			0	0		Hail(0.75)
Pope County	21	1113031			U	U		Han(0.73)
7 SE Sedan	27 Empt	1121CST y grain bin blown	1/4 mile. Tree	es down.	0	0		Thunderstorm Wind (E60)
Morrison County	27	1130CST			0	0		Thundardtown Wind (F55)
1 W Upsala	27 Nume	erous trees down i	n campground	. Tree on veh	0 nicle.	U		Thunderstorm Wind (E55)
Stearns County	25	112F.CCC						¥ 11(0.75)
2 S St Francis Stearns County	27	1135CST			0	0		Hail(0.75)
3 NW Belgrade	27	1138CST and turned white.			0	0		Hail(1.00)
Stearns County	Groun	na turnea winte.						
Holdingford	27	1140CST			0	0		Thunderstorm Wind (E52)
Stearns County	Powe	r lines and trees d	own.					
4 W Sartell to	27	1150CST			0	0		Thunderstorm Wind (E60)
St Stephen		erous trees down, ection of County					Several trees were to	ppled across County Road 2 and at the
Benton County								
Rice	27	1153CST			0	0		Hail(0.75)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perse Killed		Estimated Damage Property Crops	Character of Storm	July 2002
MINNESOTA, Centr	al and S	outh Central							
		1158CST							
Benton County Rice to 5 SE Rice	27 Scatte	1153CST 1156CST red trees down.			0	0		Thunderstorm Wind	I (E55)
Morrison County Royalton	27 Trees	1155CST and power lines d	own.		0	0		Thunderstorm Wind	l (E52)
Kandiyohi County Sunburg	27	1205CST			0	0		Hail(0.75)	
Benton County 2 W Gilman to 5 NE Gilman	27	1207CST			0	0		Thunderstorm Wind	l (M63)
	Nume	rous trees down. (	Outbuildings	down.					
Kandiyohi County 7 W Regal	27	1208CST			0	0		Hail(0.75)	
Benton County 3 WNW Foley	27 Roof	1210CST off house. House v	was also mov	ed 5 feet off	0 its foundation	0 n. Trees	250K down. Sheds and pole	Thunderstorm Wind barns down.	l (E75)
Benton County 3 NW Gilman	27	1210CST			0	0		Hail(1.00)	
Mille Lacs County Milaca	27	1238CST			0	0		Hail(0.75)	
Kanabec County 6 N Mora	27 Power	1300CST	own.		0	0		Thunderstorm Wind	l (E52)
Kandiyohi County 4 NE Willmar	27	1300CST			0	0		Hail(0.75)	
Chisago County 3 W Rush City to 3 NE Rush City	27 Trees	1335CST 1340CST down. Boats blow	n into each o	other on Rush	0 Lake.	0		Thunderstorm Wind	I (E55)
Carver County									
Watertown	27	1442CST			0	0		Hail(0.75)	
Hennepin County Spring Park	27	1457CST			0	0		Hail(0.75)	
Hennepin County New Hope	27	1515CST			0	0		Hail(0.88)	
Hennepin County Minneapolis	27	1518CST ersection of Dowl	ing and I-94.		0	0		Hail(0.75)	
Hennepin County Crystal	27 Along	<b>1520CST</b> Highway 100.			0	0		Hail(0.75)	
Anoka County Hilltop	27	1523CST			0	0		Hail(0.75)	
Freeborn County 5 SE Albert Lea	27	1800CST			0	0		Thunderstorm Wind	l (M52)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	er of ons Injured	Estimated Damage Property Crops	July 2002 Character of Storm
MINNESOTA, Centra	al and So	outh Central						
Redwood County 2 W Walnut Grove	28	1514CST			0	0		Hail(1.00)
Le Sueur County 2 SW Le Center	28	1520CST			0	0		Hail(1.00)
Redwood County Walnut Grove	28 Scatte	1525CST red trees down.			0	0		Thunderstorm Wind (E52)
Redwood County Revere to Sanborn	28 Scatte	1530CST 1540CST red trees and pow	ver lines down	. Corn flatter	<b>0</b> ned	0		Thunderstorm Wind (E55)
Le Sueur County 3 NW Montgomery	28	1537CST			0	0		Hail(0.88)
Brown County Comfrey	28	1540CST			0	0		Hail(0.88)
Brown County 2 E Springfield	28	1545CST			0	0		Hail(1.00)
Renville County 4 W Fairfax	28 Severa	1545CST al trees down. Con	rn flattened.		0	0		Thunderstorm Wind (E52)
Brown County 2 S New Ulm to New Ulm	28 Nume	1550CST	including one	on a car. Bar	0 n and shed a	0 also downe	<b>40K</b> ed.	Thunderstorm Wind (E55)
Nicollet County 5 NW Courtland to 5 N Courtland	28	1555CST	Ü		0	0		Thunderstorm Wind (E50)
Scott County 4 W New Prague	28	1608CST			0	0		Hail(0.75)
Sibley County New Auburn to Green Isle	<b>28</b> Few tr	1610CST			0	0		Thunderstorm Wind (E52)
Goodhue County Stanton	28	1617CST			0	0		Hail(1.00)
Mcleod County Brownton	28	1620CST			0	0		Hail(1.00)
Scott County 2 SW Belle Plaine	28	1625CST			0	0		Hail(0.88)
Mcleod County Stewart	28	1633CST 1643CST			0	0		Hail(1.25)
Brown County 5 W Springfield to Springfield	28 Nume	1639CST	including som	e on vehicles	0 and garage	<b>0</b> s. Corn fla	20K	Thunderstorm Wind (E55)
Nicollet County 3 E Klossner to 3.5 ENE Klossner	28	1640CST 1643CST ed down in field.	0.5	50	0	0		Tornado (F0)





<u>Location</u>	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	sons	Estimated Damage Property Crops	July 2002 Character of Storm
MINNESOTA, Centra	l and So	outh Central						
Mcleod County 2 N Stewart	28	1647CST			0	0		Hail(1.25)
Goodhue County 3 E Cannon Falls to Welch	28	1650CST 1700CST			0	0		Hail(1.00)
Nicollet County	One m	nile wide swath of	hail. Crops	damaged.				
5 S Bernadotte to New Sweden	28	1650CST	11 (1	1	0	0		Thunderstorm Wind (E52)
	Few tr	rees toppled. Corn	and beans fla	attened.				
Scott County 3 W New Market	28	1700CST			0	0		Hail(1.00)
Sibley County New Auburn to Green Isle	<b>28</b> Four to	1730CST 1830CST o five inches rain	produced stre	eet flooding.	0	0		Flash Flood
Dakota County 5 S Farmington	28	1731CST			0	0		Hail(0.75)
Anoka County South Central Portion	28	1737CST 1945CST	D :1 G :		0	0		Flash Flood
	Street	flooding in Coon	Rapids, Sprii	ig Lake Park	and Blaine.	Numerous	vehicles stranded in	water
Goodhue County Red Wing	28	1745CST			0	0		Hail(1.00)
Steele County Owatonna	28 Severa	1755CST al trees and power	· lines down a	long Intersta	<b>0</b>	0		Thunderstorm Wind (E52)
<b>Goodhue County</b>		F		8				
Kenyon to 5 W Wanamingo	28	1800CST	chimney tonn	lad	0	0		Thunderstorm Wind (E55)
Ramsey County	Nume	rous trees down, o	miniey toppi	ieu.				
Vadnais Hgts to White Bear Lake	28	1800CST 1900CST			0	0		Flash Flood
	four p		cles. They v	vere rescued				deep under a railroad bridge, trapping rain backed up and flooded the south
<b>Goodhue County</b>								
Zumbrota	28 Few tr	1815CST rees down.			0	0		Thunderstorm Wind (E52)
Goodhue County Pine Is	<b>28</b> Few tr	1816CST rees down.			0	0		Thunderstorm Wind (E52)
Hennepin County Rockford	28 Traile	1840CST 1945CST r park flooded.			0	0		Flash Flood
Rice County 2 N Morristown	30	1530CST			0	0		Hail(0.88)





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MINNESOTA, Centra	al and So	outh Central							
Rice County Northfield	30	1539CST			0	0		Hail(0.88)	
Rice County 5 N Faribault	30	1540CST			0	0		Hail(1.00)	
Waseca County 7 NE Waseca	30	1555CST			0	0		Hail(1.75)	
Goodhue County Pine Is	30 Measu	1610CST ared at the fire station	on.		0	0		Thunderstorm Wine	d (M52)
Waseca County St Mary	30	1650CST			0	0		Hail(1.00)	
Steele County 2 S Lemond	30	1720CST			0	0		Hail(0.75)	
Steele County Blooming Prairie	30	1730CST			0	0		Hail(0.75)	
Brown County Comfrey	30	1847CST			0	0		Hail(0.88)	
Pope County 1 N Grovelake	31	0815CST			0	0		Hail(1.00)	
Stearns County 3 S Padua	31	0825CST			0	0		Hail(0.75)	
Stearns County Padua	31	0830CST			0	0		Hail(0.75)	
Stearns County 6 SW Albany	31	0850CST			0	0		Hail(0.75)	
WISCONSIN, West									
Rusk County 6 NW Ladysmith to 12 N Bruce	21	1410CST			0	0		Hail(1.75)	
Dunn County 4 S Ridgeland	21	1558CST			0	0		Hail(0.75)	
Rusk County 5 NW Bruce	27 Power	1515CST lines down.			0	0		Thunderstorm Wine	d (E52)
Pepin County Pepin	28	1720CST			0	0		Hail(0.75)	
Pepin County 3 SE Stockholm	28	1734CST			0	0		Hail(1.75)	
St. Croix County Somerset	28 Trees	1810CST down.			0	0		Thunderstorm Wine	d (E52)
Pepin County Pepin	28 Large	1820CST branches and power	er lines down	ı.	0	0		Thunderstorm Wind	d (E50)
St. Croix County New Richmond Arpt	28	1825CST			0	0		Thunderstorm Wine	d (M51)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estir Dar Property	nated nage Crops	July 2002 Character of Storm
WISCONSIN, West									
St. Croix County Deer Park	<b>28</b> Nume	1828CST rous trees down, i	ncluding one	on a truck an	0 ad boat.	0	10K		Thunderstorm Wind (E55)
Eau Claire County Eau Claire	28	1855CST red trees down.			0	0			Thunderstorm Wind (E52)
Eau Claire County 6 E Altoona	28 Severa	1910CST			0	0			Thunderstorm Wind (E52)
Dunn County Knapp	30	1555CST			0	0			Hail(0.75)
Pierce County Spring Valley	30	1555CST			0	0			Hail(0.75)
Pierce County Olivet	30	1630CST			0	0			Hail(0.88)
Dunn County Menomonie	30	1640CST 1653CST			0	0			Hail(0.75)
Pierce County Elmwood	30	1645CST			0	0			Hail(0.75)
Eau Claire County 7 SW Eau Claire	30 Trees	1700CST and large branche	s down.		0	0			Thunderstorm Wind (E52)
Dunn County 2 S Elk Mound	30	1710CST			0	0			Hail(0.75)